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[illegible]

rate of a little more than a mile a minute. As this would be working the life faster than would be safe on uneven ground or on on Broad street cobble stones, it is proposed to run the engine at the rate of five hundred revolutions per minute, which would walk the man at the moderate speed of half a mile a minute.

The horse is attached to a common Rockaway carriage, the shafts of which serve to support him in a vertical position. These shafts are two lives of iron, fastened in the usual manner to the front of the carriage, and are so arranged as to be joined [illegible] which passes around the wooden [illegible] and in which the man moves as fast as he can. By [illegible] the motion of the machine [illegible] has only to keep a which the faster he can go the faster the horse will move from a walk to a trot, from a trot to a gallop, &c. This is the idea in brief. To the horse it is no drawback, [illegible] or is cold or [illegible]. To the man it is no more than [illegible] which effectually prevents [illegible]. The whole subject is so firmly established on the results and has so excited [illegible] that two men are now [illegible] in any way to throw it down. In order to [illegible] to Coppack [illegible] the [illegible] apparatus, and [illegible] the [illegible] stress, throw it forward in the vertical, where [illegible] the shafts in a direction opposite to their natural position.

An upright post worth is arranged [illegible] and with a cast [illegible] of the [illegible] surface [illegible] the [illegible] of which these [illegible] are fitted. [illegible] that was [illegible] large [illegible] away under [illegible] to work [illegible] a way, and enough water [illegible] of [illegible] to last [illegible] Mr. Deddrick [illegible] the apparatus [illegible] Mr. Deddrick [illegible] the [illegible] and [illegible] as [illegible] as possible [illegible] Whatever the first cost may be, which [illegible] every two or three years, the [illegible] stops the machine [illegible] a real improvement. "Dan's" [illegible] the [illegible] of [illegible] the [illegible] of [illegible] the [illegible] of